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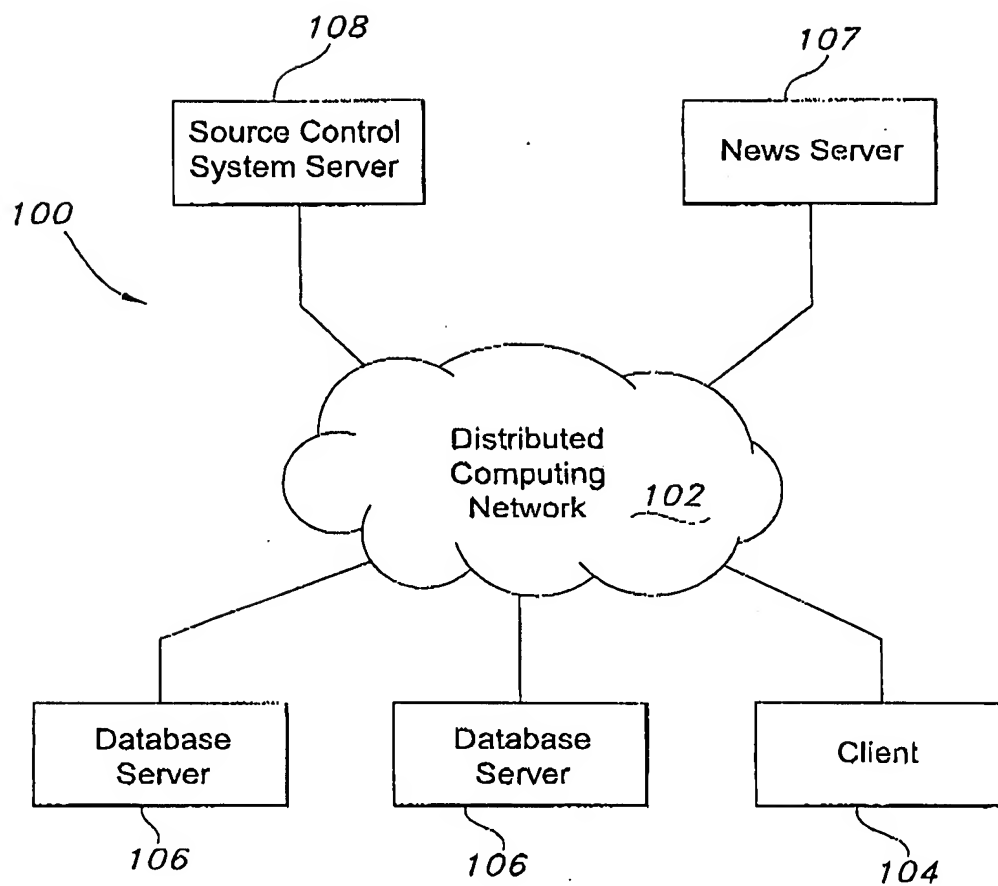


FIG. 1

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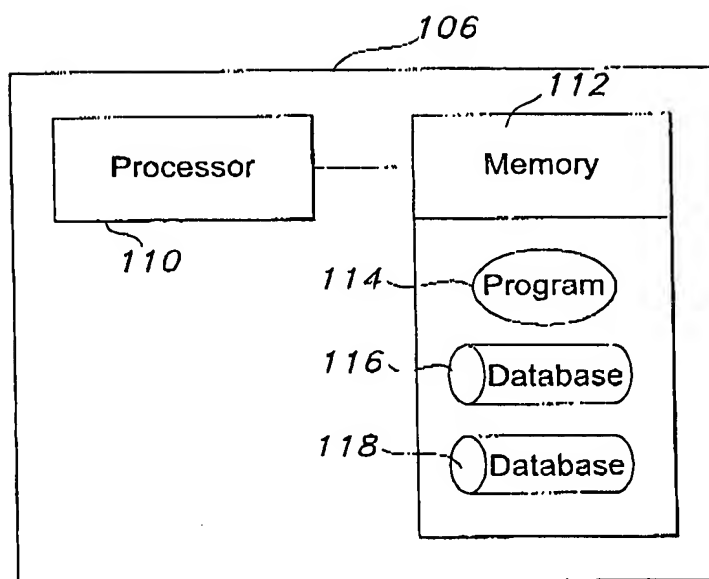


FIG. 1A

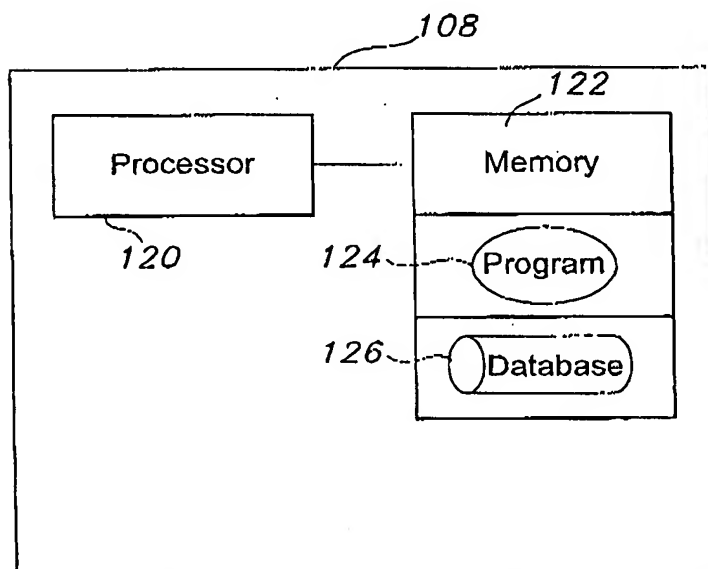


FIG. 1B

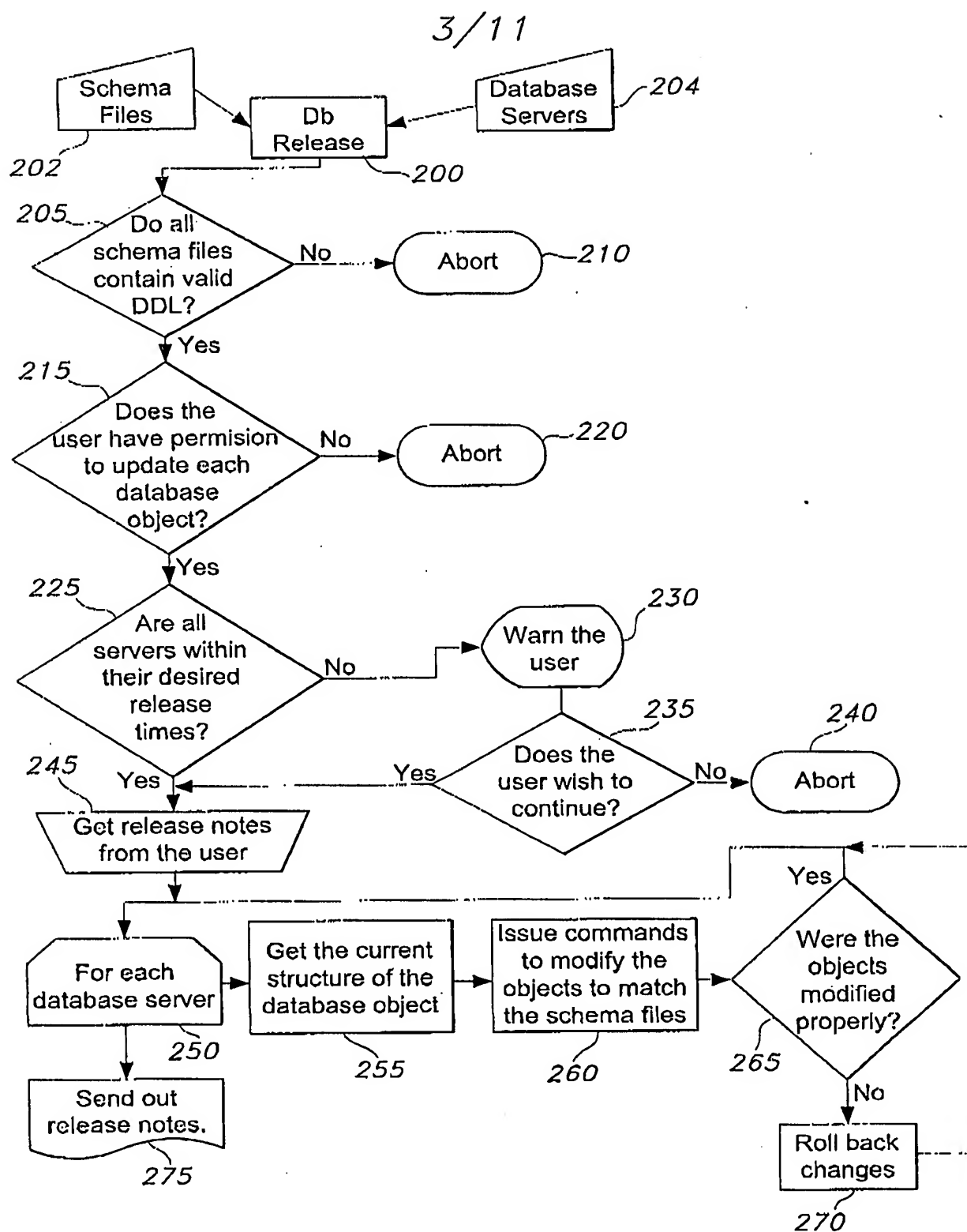


FIG. 2

300

303

```

/*! This table defines permissions for individual users or user groups defined
in the TABLE:user_group table. If the permission is a portfolio permission
it is further limited to a fund or portfolio group defined in the
TABLE:port_group table. */

```

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```

CREATE TABLE permission
( user_group char(25) , /*! User group or employee login. User group names must
exist in TABLE:user_group and employee logins must
exist in TABLE:employees or
TABLE:user_group_expand. */
perm_type char(20) , /*! The type of the permission granted. Must be defined
in the TABLE:permission_types table. */
perm_group char(225) /*! For portfolio based permission this is the
portfolio
group that must be defined in port_group. For other
types of permissions this should be set to *. */
)

```

go

305

FIG. 3

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400

BlackRock Database - permissions Table

File Edit View Favorites Tools Help

from *bfmdb.dbo.permissions*

402 Permissions
Associated Indices
Associated Key(s)
Check Constraint(s)
Associated Trigger

More Info 404
 (SYBPRO) [go] 405

403 **Description:**
 This table defines permissions for individual users or user groups defined in the user_group table. If the permission is a portfolio permission it is further limited to a fund or portfolio group defined in the port_group table.

406 **Contents:**

Column Name	Datatype	Nullable	Description	Default/Rule	Constraints
user_group	char(25)	NO	User group or employee login. User group names must exist in <u>user_group</u> and employee logins must exist in <u>employees</u> or <u>user_group_expand</u> .		
perm_type	char(20)	NO	The type of the permission granted. Must be defined in the <u>permission_types</u> table.		
perm_group	char(255)	NO	For portfolio based permissions this is the portfolio group that must be defined in <u>port_group</u> . For other types of permissions this should be set to *.		

Permissions for Objects

/ul/build/dev/sql/bfmdb/permissions.pers
 Default Server(s):

408

Group/User/Role	Type of Permission
isgops	<ul style="list-style-type: none"> Grant Delete Grant Insert Grant Update

FIG. 4A

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A

public ☐ Grant Select

410 Associated Indices

Index Name	Index Description	Columns	Comments
idx_permissions_clust	unique, clustered	perm_type, user_group, perm_group	

412 Reference Constraint(s)

No defined keys for this object.

414 Check Constraints(s)

Object does not have any declarative constraints.

416 Defined Keys

There are no No keys defined on this table.

418 Associated Trigger

or permissions

A

FIG. 4B

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Database Server SYBPRD

Database: bfmdb

Object Name: permissions

- Schema of Object on Database
- DB Schema Diffs
- Perm Schema Diffs
- Perms Schema on Database
- Index Schema Diffs
- Index Schema on Database

502

Size of Object: 5106 KB

Number of Rows: 6060

Creation Date: Jan 14 1999 11:35AM

Sample Data:

504

user_group	perm_type	perm_group
ANSER_users	ANSER	*
NATE TEST	ANSER	*
account-trade	ANSER	*
admin-fi	ANSER	*
admin-pam	ANSER	*

dbRelease Info:

506

500

dbname	bfmdb
filename	/u1/build/dev/sql/bfmdb/permissions.idx
objname	permissions
prevtag	dropped
reluser	kkasivis
tag	2003/08/22 21:35:28 1.4 3245967771
time	Sep 2 2003 6:50PM
type	idx

506

dbname	bfmdb
filename	/u1/build/dev/sql/bfmdb/permissions.perms
objname	permissions
prevtag	2002/04/03 20:26:03 1.1 1244501761

FIG. 5A

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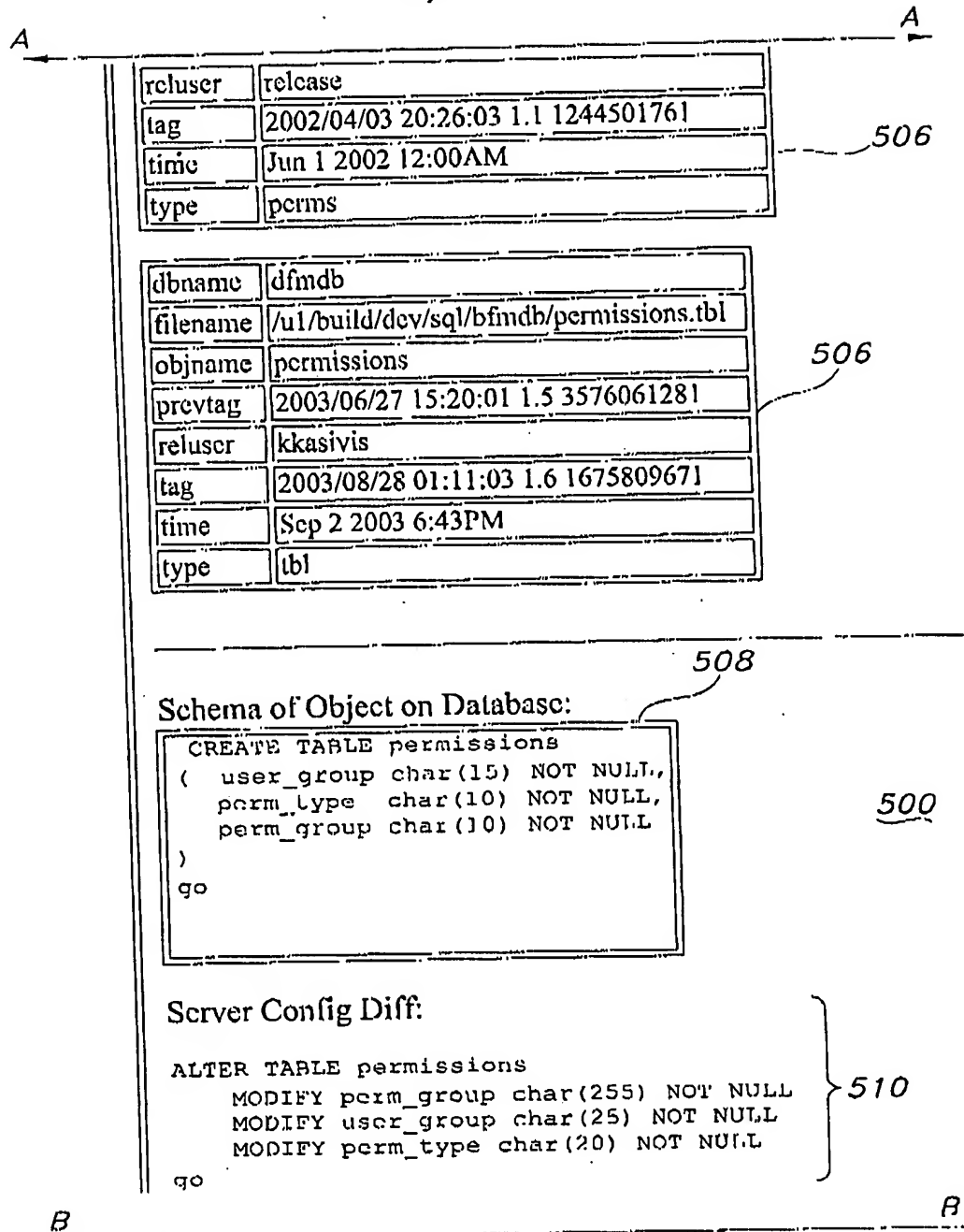


FIG. 5B

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+

B

Permissions Schema on Database:

<p><u>Perms Schema of permissions</u></p> <p>GRANT Select ON permissions TO public</p> <p>go</p>	<p><u>Perms Schema Diff. of permissions</u></p> <p>GRANT Delete ON permissions TO tsops</p> <p>GRANT Insert ON permissions TO tsops</p> <p>GRANT Update ON permissions TO tsops</p> <p>GRANT Delete ON permissions TO webprod</p> <p>GRANT Insert ON permissions TO webprod</p> <p>GRANT Update ON permissions TO webprod</p> <p>go</p>
--	---

512

514

500

Index Schema on Database:

<p>CREATE UNIQUE CLUSTERED INDEX idx_permissions_clust ON permissions (perm_type, user_group, perm_group)</p> <p>go</p>

516

Index Schema Diff:

/* /u:/build/dev/sgt/bfrcd/permissions.idx matches database schema. */

518

FIG. 5C

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600

FIG. 6

```
% cdbrelease bfmdb/permissions.tbl
Verifying all files meet release criteria .

Beginning release to SYBDEV

Releasing bfmdb/permissions.tbl...
database matches file; nothing needs to be changed

Finished successful release to SYBDEV

Beginning release to SYBPRD

Releasing bfmdb/permissions.tbl...
dbrelease will run the following mod commands:
1: ALTER TABLE permissions
2: MODIFY user_group char(25) NOT NULL
3: MODIFY perm_type char(20) NOT NULL
4: MODIFY perm_group char(255) NOT NULL
5: go

Finished successful release to SYBPRD

SUCCESSFUL DESTINATIONS (2) : SYBDEV, SYBPRD

Sending release notes .... done
%
```

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Release notes for bfmdb/permissions.tbl
by bgmackay, Tue Sep 2 18:43:48 2003

SUCCESSFUL DESTINATIONS (2) : SYBDEV, SYBPRD

CHANGES : Extend the width of some columns.

REASON : Supports changes for the New Employee project.

The permissions app has been re-tested/approved by CSG against SYBDEV.

START DATE : now

TEAM : dba, mhochber

REQUEST LOG ENTRIES ADDRESSED:

SENTINEL : <Outlook://Public Folders/All Public Folders/BlackRock
Public Folders/Sentinel/Sentinel Requests/-BLKBR5-3238>

BUILD INFO :
bfmdb/permissions.tbl: 2003/08/28 01:11:03 1.6 1675809671.

FIG. 7

700